

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: WNET-00500	Serial No.: 09/159,267
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (See Several Sheets if Necessary)				Applicant: Kirk Treadaway <i>et al.</i>	
(37 CFR § 1.98(b))				Filing Date: Sept. 23, 1998	Group Art Unit: 2331 2641

U.S. PATENT DOCUMENTS							
Examiner Initials	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date	
	AA	3,564,144	2/16/71	Diggelmann	479	15	8/14/67
	AB	3,988,545	10/26/76	Kuemmeric <i>et al.</i>	479	15 BV	4/23/75
	AC	4,731,785	3/15/88	Ferenc <i>et al.</i>	370	60	6/20/86
	AD	4,876,742	10/24/89	Vacon <i>et al.</i>	455	66	3/23/87
	AE	4,893,340	1/9/90	Lubarsky <i>et al.</i>	380	50	10/3/88
	AF	5,050,166	9/17/91	Cantoni <i>et al.</i>	370	94.1	4/28/89
	AG	5,119,226	6/2/92	Allen <i>et al.</i>	359	172	3/30/89
	AH	5,159,592	10/27/92	Perkins	370	85.7	10/29/90
	AI	5,220,678	1/15/93	Feei	455	69	8/12/91
	AJ	5,276,703	1/4/94	Budin <i>et al.</i>	375	1	1/13/92
	AK	5,307,348	3/26/94	Buchholz <i>et al.</i>	370	85.2	11/5/90
	AL	5,436,902	7/25/95	McNamara <i>et al.</i>	370	85.3	4/5/94
	AM	5,442,633	8/15/95	Perkins <i>et al.</i>	370	94.1	7/8/92
	AN	5,475,681	12/12/95	White <i>et al.</i>	370	60	1/31/94
	AO	5,519,691	5/21/96	Darcie <i>et al.</i>	370	18	6/3/94
	AP	5,563,728	10/8/96	Allen <i>et al.</i>	359	172	2/22/94
	AQ	5,563,889	10/8/96	Gard <i>et al.</i>	370		

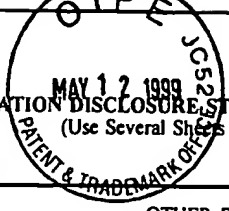
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS						
Document Number	Publication Date	Country / Patent Office	Class	Subclass	Filing Date	
AR	2 306 278 A	4/30/97	United Kingdom	H04L	1/00	
AS	WO 94/27382	11/24/94	PCT	H04B	7/216	

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)	
AT	"Design of A Selective FEC Subsystem to Counteract Rain Fading in Ku-Band TDMA Systems," G. McMillen, B. Mazur and T. Abdel-Nabi, International Journal of Satellite Communications, Vol. 4, pp. 75-82, 1986
AU	"Frequency Diversity and Its Applications," F. Carassa, G. Tartara and E. Matricciani, International Journal of Satellite Communications, Vol. 6, pp. 313-322, 1988
AV	"Up-Link Power Control of Satellite Earth-Stations As A Fade Countermeasure of 20/30 GHz Communications Systems," J. Hörle, International Journal of Satellite Communications, Vol. 6, pp. 323-330, 1988
AW	"A Technique for Estimating the Throughput of Adaptive TDMA Fade Countermeasure Systems," S. Barton and S. Dinwiddy, International Journal of Satellite Communications, Vol. 6, pp. 331-341, 1988
AX	"Fade Countermeasures At K _a Band for Olympus," M. Willis and B. Evans, International Journal of Satellite Communications, Vol. 6, pp. 301-311, 1988
AY	"A Unified Statistical Rain-Attenuation Model for Communication Link Fade Predictions and Optimal Stochastic Fade Control Design Using A Location-Dependent Rain-Statistics Database," Robert Manning, International Journal of Satellite Communications, Vol. 8, pp. 11-30, 1990
AZ	

Examiner: <u>Kirk L</u>	Date Considered: <u>5/2/04</u>
-------------------------	--------------------------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

#2

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: WNET-00500	Serial No.: 09/159,267
<div style="text-align: center;">  <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)</p> </div>				Applicant: Moshe Nativ <i>et al.</i>	
				Filing Date: Sept. 23, 1998	Group Art Unit: 222 2664
(37 CFR § 1.98(b))					
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)					
26	BA	"Adaptive Modulation As A Fade Countermeasure. An Olympus Experiment," M. Filip and E. Vilar, International Journal of Satellite Communications, Vol. 8, pp. 31-41, 1990			
	BB	<u>Radiowave Propagation in Satellite Communications</u> , Louis J. Ippolito, Jr., Van Nostrand Reinhold Company 1986, pp. 42-57 and 64-92			
	BC	<u>Digital Communications</u> , John G. Proakis, Mc Graw-Hill, Third Edition, 1990, pp. 278-285			
	BD	<u>CDMA Principles of Spread Spectrum Communication</u> , Andrew J. Viterbi, Addison-Wesley Wireless Communications Series, 1995, pp. 155-168			
8	BE	Information on Giganet Ltd., the Microwave Fiber™ company, displayed at www.giganet-corp.com, April 21, 1998			
	BF				
	BG				
	BH				
	BI				
	BJ				
	BK				
	BL				
	BM				
	BN				
	BO				
	BP				
	BQ				
	BR				
	BS				
	BT				
	BU				
	BV				
	BW				
	BX				
	BY				
	BZ				
Examiner: <u>h. h. lo</u>		Date Considered: <u>5/12/99</u>			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

RECEIVED
 MAY 14 1999
 Group 2700



#2

FORM PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: WNET-00500	Serial No.: 09/159,267
		Applicant: Kirk Treadaway <i>et al.</i>	
		Filing Date: Sept. 23, 1998	Group Art Unit: 2731 <i>2667</i>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)

(37 CFR § 1.98(b))

U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	RECEIVED	
						Subclass	Filing Date
<i>[Signature]</i>	AA	5,754,945	05/19/98	Lin <i>et al.</i>	455	338	07/22/94
	AB	5,657,371	08/12/97	Mahany <i>et al.</i>	370	338	07/22/94
	AC	5,648,969	07/15/97	Pasternak <i>et al.</i>	370	349	02/13/95
	AD	5,636,213	06/03/97	Eastmond <i>et al.</i>	370	278	12/28/94
	AE	5,313,461	05/17/94	Ahl <i>et al.</i>	370	94.2	06/08/92
	AF	5,303,303	04/12/94	White	380	49	02/08/93
	AG	4,975,906	12/04/90	Takiyasu <i>et al.</i>	370	85.130	02/09/89
	AH						
	AI						
	AJ						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

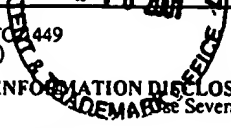
		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
<i>[Signature]</i>	AK	GB 2316583 A	02/25/98	UK	H04L	29/06	<input checked="" type="checkbox"/>	
	AL	WO 98/10541A1	03/12/98	PCT	H04J	3/16	<input checked="" type="checkbox"/>	
	AM							
	AN							
	AO							

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	AP	Goldberg, Lee, "100Base-T4 Transceiver Simplifies Adapter, Repeater, and Switch Designs," Electronic Design, vol. 43, no. 6, March 1995, USA.
	AQ	
	AR	
	AS	
	AT	
	AU	
	AV	
	AW	
	AX	
	AY	
	AZ	

Examiner: <i>[Signature]</i>	Date Considered: 5/3/04
------------------------------	-------------------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTOL 449
(Modified)

U.S. Department of Commerce
Patent and Trademark Office

#4

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(37 CFR § 1.98(b))

Attorney Docket No.: WNET-00500 Serial No.: 09/159,267

Applicant: Kirk Treadaway *et al.*

Filing Date: Sept. 23, 1998 Group Art Unit: 2751 2664

U.S. PATENT DOCUMENTS							
Examiner Initials	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date	
28	AA	5,953,319	Dutta et al.	370	228	09/29/95	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

RECEIVED
MAY 22 2001
Technology Center 2606

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS								
	Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation		
						Yes	No	
	AK							
	AL							
	AM							
	AN							
	AO							

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)	
	AP
	AQ
	AR
	AS
	AT
	AU
	AV
	AW
	AX
	AY
	AZ

Examiner: William L. L.

Date Considered: 5/3/01

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



(use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Application Number	09/159,267
Filing Date	September 23, 1998
First Named Inventor	Kirk TREADAWAY et al.
Group Art Unit	2731 2664
Examiner Name	
Attorney Docket Number	TREADAWAY=1A

[illegible]

RECEIVED

AUG 05 2002

Technology Center 2600

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Number		Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number					
6	AA	EP	0 663 785	A2	NOKIA MOBILE PHONES LTD.	07-19-1995		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			T ²
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
	AB	European Pnt Office: <u>Patent Abstracts of Japan</u> , Abstract for JP 07336387, published December 22, 1995, applicant: CANON INC., title: "Radio Communication Equipment"	

Nilsen Luke

5/3/25

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.